

1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Nygren et al.

Serial No.:

09/751,038

Filing Date:

December 29, 2000

Title:

SYSTEM AND METHOD FOR REPRODUCING A VIDEO SESSION USING ACCELERATED FRAME

RECORDING

Honorable Assistant Commissioner for Patents

Washington, D.C. 20231

Dear Sir:

certify hereby that correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" under 37 C.F.R. § 1.10 on the date indicated below and is addressed to: Assistant Commissioner Patents, Washington, D.C. 20231. Name 0-4-01 Date of Signature

Express Mail No. EL 501000632US

LETTER TO THE OFFICIAL DRAFTSPERSON

FIGURE Enclosed for review and approval is the inclusion in above-identified patent application. Applicants have also included a full set of figures for this application with updated sheet numbers. Applicants respectfully submit that no new matter has been entered and that FIGURE 8 is fully supported by the application filed on Accordingly, Applicants respectfully December 29, 2000. request that the addition of FIGURE 8 to the application be approved.

2

The Commissioner is hereby authorized to charge any fees or credit any overpayments to Deposit Account No. 02-0384 of Baker Botts L.L.P.

Respectfully submitted,

BAKER BOTTS L.L.P. Attorneys for Applicants

Barton E. Khowalter Reg. No. 38 302

2001 Ross Avenue Dallas, Texas 75201-2980 (214) 953-6509

Date: October 4 6001

CORRESPONDENCE ADDRESS:
Baker Botts L.L.P.
2001 Ross Avenue, Suite 600
Dallas, TX 75201-2980

System and Method for Reproducing a Video sion Using Accelerated Frame Recording Serial No. 09/751,038
Attorney Docket No. 019143.0333
Filed: December 29, 2000
Sheet 1 of 7

1/7

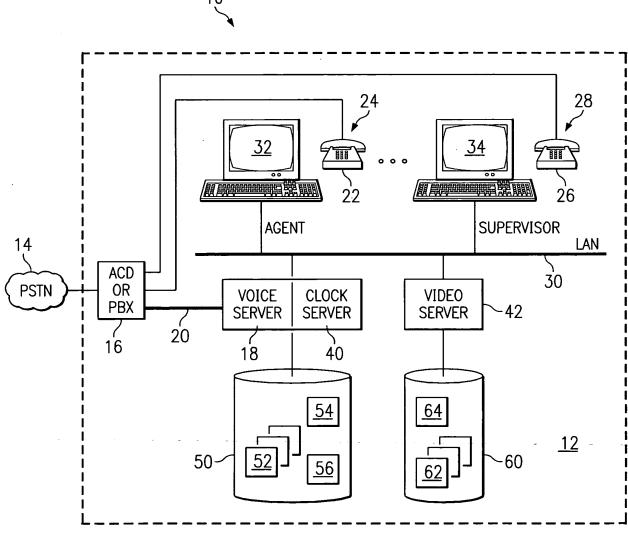
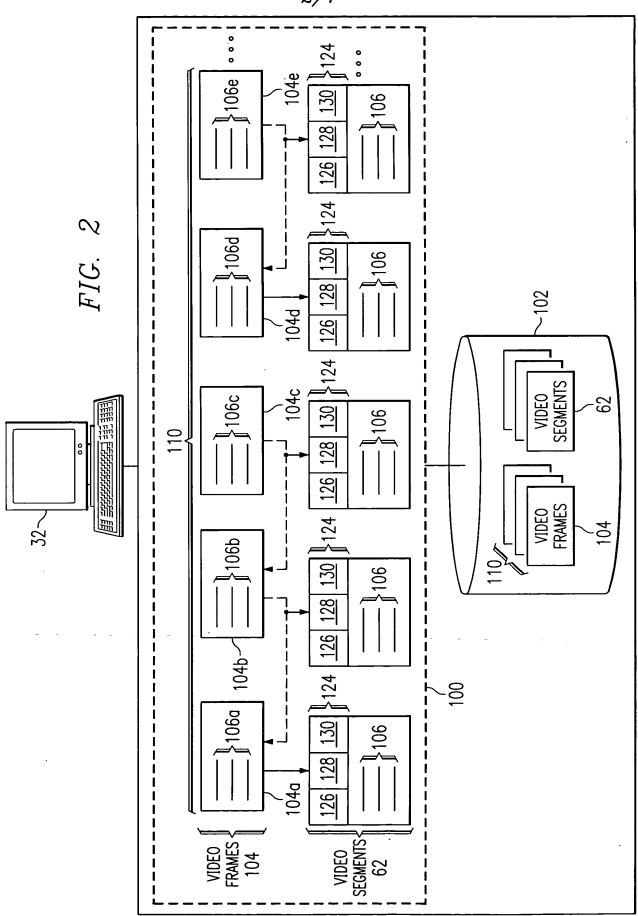


FIG. 1

System and Method for Reproducing a Video Sion Using Accelerated Frame Recording Serial No. 09/751,038
Attorney Docket No. 019143.0333
Filed: December 29, 2000
Sheet 2 of 7

2/7



System and Method for Reproducing a Video Scripton Using Accelerated Frame Recording Serial No. 09/751,038

Attorney Docket No. 019143.0333
Filed: December 29, 2000
Sheet 3 of 7

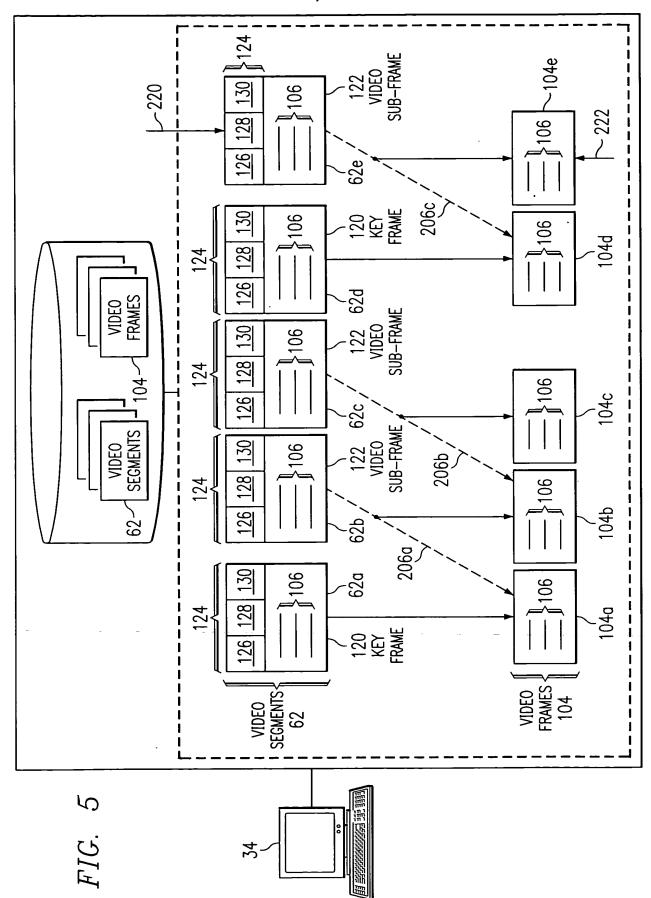
3/7													
10 <u>6</u> a				,				10,6b					
	`	•						¥					
	154	154 \	154 /	154 /		154	154	154 1	54 160	a			
152~	- <u>150</u>	150	<u>150</u>	<u>150</u>		<u>150</u>	<u>150</u>	*	150	-152			
152~	- <u>150</u>	<u>150</u>	<u>150</u>	<u>150</u>		<u>150</u>	*	<u>150</u>	*	-152 -160d			
152~	- <u>150</u>	<u>150</u>	<u>150</u>	<u>150</u>		<u>150</u> 160c ~	<u>150</u>	*	<u>150</u>	152 122			
152~	- <u>150</u>	<u>150</u>	<u>150</u>	<u>150</u>		<u>150</u>	<u>150</u>	160b <u>150</u>	<u>150</u>	152			
		FIG.	3A		-		FIG.	<i>3B</i>					

		64					
200	126	130	128 /	202			
SESSION ID	SEGMENT TYPE	OFFSET	SEGMENT ID	PATH			
5	VOICE	50	12	f:\voice\5010197.dat			
-5	VOICE (KEY FRAME)	- 100-	. 1.4	. video5@server			
5	VOICE	100	15	http:\\voiceann5.cti			
5	VIDEO (SUB-FRAME)	25	2	video.bigco.1324			
3	VIDEO (SUB-FRAME)	300	9	c:\video\3.dat			
3	VOICE	325	8	c:\voice\3.dat			
•	:	:	:				

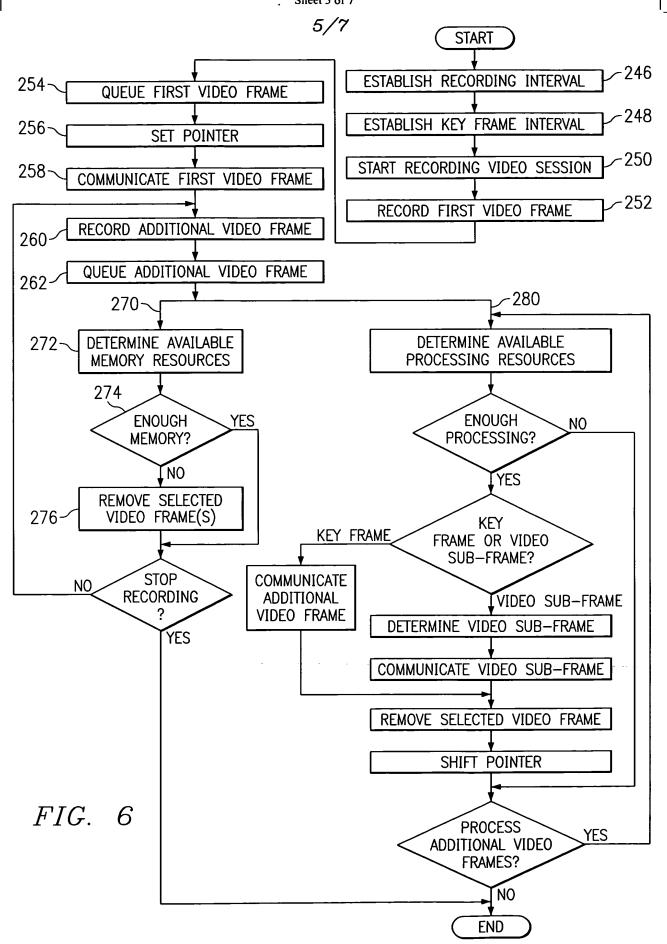
FIG. 4

System and Method for Reproducing a Video
Sion Using Accelerated Frame Recording
Serial No. 09/751,038
Attorney Docket No. 019143.0333
Filed: December 29, 2000
Sheet 4 of 7

4/7



System and Method for Reproducing a Video Serial No. 09/751,038 Attorney Docket No. 019143.0333 Filed: December 29, 2000 Sheet 5 of 7



System and Method for Reproducing a Video on Using Accelerated Frame Recording Serial No. 09/751,038 Attorney Docket No. 019143.0333 Filed: December 29, 2000 Sheet & of 7 6/7 354 VIDEO SUB-FRAME ESTABLISH FOURTH BOUNDARY OF .350 DIFFERENT VIDEO DATA LAST COLUMN COMPARE 352~ 2 PREVIOUS COMPARE COLUMN 358 356 344 VIDEO SUB-FRAME ESTABLISH THIRD -340 FIRST COLUMN BOUNDARY OF DIFFERENT VIDEO DATA KES COMPARE SECOND VIDEO FRAME 360 342~ 9 COMPARE COLUMN 348-NEXT 2 346 STORE 334 ESTABLISH SECOND BOUNDARY OF VIDEO SUB-FRAME VIDEO DATA COMPARE LAST ROW DIFFERENT Æ 330-2 332 COMPARE PREVIOUS 338-Ro¥ 324 VIDEO SUB-FRAME ESTABLISH FIRST BOUNDARY OF DIFFERENT VIDEO DATA FIRST ROW 贸 COMPARE

2

COMPARE

₽ Z Z

-310

STORE FIRST VIDEO FRAME

FIG. 7

START

Attorney Docket No. 019143.0333 Filed: December 29, 2000 Sheet 7 of 7 **START** FIG. 8 400 RECEIVE NO REWIND AND/OR FORWARD COMMAND? START REPRODUCTION -420 AT BEGINNING OF YES VIDEO SESSION START REPRODUCTION OF VIDEO 402-SESSION AT SELECTED POSITION 422 404 IDENTIFY VIDEO SEGMENT IDENTIFY VIDEO SEGMENT 424 406 **KEY KEY** YES YES FRAME? FRAME? 426 [NO NO, 410-COMBINE VIDEO DATA OF IDENTIFY KEY FRAME VIDEO FRAME AND SUB-FRAME TO GENERATE IDENTIFY INTERVENING 412-ANOTHER VIDEO FRAME VIDEO SUB-FRAME(S) 408 GENERATE VIDEO FRAME(S) GENERATE VIDEO USING VIDEO DATA OF KEY FRAME USING VIDEO 414 DATA OF KEY FRAME FRAME AND SUB-FRAME(S) STORE GENERATED VIDEO FRAME(S) 432 430 440 **START** NO **PROCESS** YES DISPLAY? ADDITIONAL VIDEO **SEGMENTS?** YES 442 N0 DISPLAY VIDEO FRAMES 434 **END** YES DISPLAY? **END** -450 436 NO

System and Method for Reproducing a Video Sion Using Accelerated Frame Recording Serial No. 09/751,038